

IN THE CLAIMS

1. (Cancelled)
2. (Currently Amended) A molding method using ultrasonic vibration in which a resin material in a molten state is injected from an injection apparatus, filled into a cavity of a mold, and cooled down to mold a product in a predetermined shape, the method comprising:

preparing providing a mold having a plurality of product cavities to mold products, a runner by which the product cavities are connected to each other, and a resin pit located at a halfway part of the runner;

injecting the resin material into the resin pit and thereby filling all of the plurality of product cavities; and

inserting a vibrator attached to an ultrasonic oscillator, into a through-hole which communicates with the resin pit, so that a tip of the vibrator forms a bottom of the resin pit, and thereby

applying ultrasonic vibration to the resin material in the resin pit at a predetermined time.
3. – 11. (Canceled).
12. (Currently Amended) A molding machine ~~in which~~ for injecting a resin material ~~is injected~~ from an injection apparatus into a cavity ~~formed~~ in a mold and compressed to mold a product in a predetermined shape, the molding machine comprising:

a mold having a plurality of product cavities for molding products;  
a runner connecting the product cavities to each other;  
a resin pit located at a halfway part of the runner;  
an injection apparatus for injecting a resin material into said resin pit, thereby filling the plurality of product cavities with resin via said runner; and  
an ultrasonic wave application means oscillator for applying ultrasonic vibration to resin material in the resin pit, wherein a vibrator attached to the ultrasonic vibrator, is inserted into a through-hole which communicates with the resin pit, so that a tip of the vibrator forms a bottom of the resin pit.

13. – 20. (Cancelled)

21. (Previously Presented) The molding machine according to claim 12, wherein a resin-holding capacity of the resin pit relative to each of the product cavities is between 10% and 40%.

22. (Currently Amended) The molding method using the ultrasonic vibration according to claim 2, wherein the predetermined time is after start of supply of the commencing injecting resin material to at least part of the resin pit and while the resin material in the runner has a predetermined viscosity.

23. (Previously Presented) The molding method using the ultrasonic vibration according to claim 2, wherein the ultrasonic vibration is applied while a compressed state is maintained after the resin material is filled into the product cavity and compressed.

24. (Previously Presented) The molding method using the ultrasonic vibration according to claim 2, wherein the ultrasonic vibration is applied so that an amount of the resin material flowing into the product cavity from the resin pit and air gaps other than the product cavity is in a range of 0.1% by volume to 5% by volume of the resin material filled into the product cavity.

25. (Currently Amended) The molding method using the ultrasonic vibration according to claim 2, wherein the ultrasonic vibration is applied immediately after ~~the filling of~~injecting the resin material is started and until a gate in communication with the product cavity is sealed.

26. (Currently Amended) The molding method using the ultrasonic vibration according to claim 2, wherein a nozzle of a molding machine ~~to supply~~supplying the resin material to the mold is closed immediately after ~~the~~ filling of the resin material is completed.

27. (Previously Presented) The molding method using the ultrasonic vibration according to claim 26, wherein the product is an optical lens.

28. (Currently Amended) The molding method using the ultrasonic vibration according to claim [[26]] 27, wherein the optical lens is a spectacle ~~lens~~lens, and the method further comprises subjecting the obtained spectacle lens to a surface treatment.

29. (Currently Amended) An optical lens ~~characterized by being~~ manufactured by a molding method according to claim 27.

30. (Previously Presented) The molding machine according to claim 12, wherein the mold has a sprue in communication with the runner.

31. (Previously Presented) The molding machine according to claim 12, wherein the resin pit is located at a midpoint on the runner.

32. – 34. (Canceled).